

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** October 27, 2005

**Inspector:** Don Ukers and Brian Sakidovitch

**Location:** 115 kV Underground Route

**Storm/**

**Rain Event:** An additional 1.8" of rain fell over 10/24-10/25 bringing October's total rainfall to 15 inches which is an 11-inch departure from the average.

Areas of Inspection	Observation	Recommended Action
Vault Openings and Trench Construction	- <b>Bethel Educational Park:</b> Work here is complete and areas are stable for the most part with the exception of the gully. 10/27/05	-See erosion control section for specifics. 10/27/05
<b>Hoyts Hill Transition Structure</b>	-The transition structure has been installed here and work will return to pull cable in the future. 10/27/05	- None at this time. 10/27/05
<b>Gallows Hill Road and Rt. 107, Redding</b>	-Cable was being pulled from Gallows Hill up to the riser transition structure in the ROW as well as within the roadway. 10/27/05  - Materials remained at the work site near Lois Lane. 10/19-10/27/05 - Work was ongoing to bring the street to permanent grade and pavement near the Redding Country Club and in-street repair work was occurring on a utility line at the 90 degree turn. 10/27/05	-See additional sections for more specific information. 10/27/05   - Controls were noted on catch basins and no other issues were present. 10/27/05

Areas of Inspection	Observation	Recommended Action
<b>Rt. 58, Bethel</b>	- Crews continue work along Rt. 58, proofing ducts and bringing the roadway to final grade. 10/27/05	- See the erosion control and additional sections for more information. 10/27/05
<b>Broad Street/ROW, Norwalk</b>	- The jack and bore under the railroad on Broad St. is ongoing but moving towards closure. Trench work is continuing towards Rt. 7 and to the vault on Broad St. 10/27/05 -Some excavation continues near the substation in the ROW to connect the duct bank. 10/12-10/27/05	-Activities were fairly well contained here. 10/12-10/27/05  - Perform restoration measures along Broad St. when feasible when work here is complete. 10/12-10/27/05
<b>Rt. 7, Norwalk</b>	- Nightwork continues in several locations along Rt. 7. Continue to monitor potential sediment/catch basin issues. It appeared some sediment was still in the gutters. 10/19-10/27/05 - Erosion controls at the Merritt cloverleaf concrete washout have degraded further and concrete was noted outside of the corral. 10/27/05 - Trenching from Rt. 7 into Norwalk Junction transition station is complete but used absorbent booms remain at the site. 10/27/05	- See erosion control section for specific information. 10/19-10/27/05  -See erosion control and storage sections regarding concrete disposal for this work. 10/27/05  - Absorbent booms left behind need to be removed. See erosion control and spill sections for more information. 10/19-10/27/05
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Silt fence will be removed from most areas as the street work is largely complete. Fence should only be removed if the adjacent area has not been disturbed or if it has been seeded and mulched. 10/27/05	- If the road grade work causes further disturbance, the area must be restored with additional mulch. 10/27/05

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<b>Bethel Educational Park</b>	- The gully noted on the northern part of the ROW has washed out again despite repairs. 10/27/05 - A small washout was also noted along the southern ROW. 10/27/05 -Silt fence was in good shape in all locations. The slope at the southern end of the ROW remains stable at this time. 10/27/05	-Stone can be installed here as a potential solution to the run-off. 10/27/05 - Continue to monitor. 10/27/05  - If necessary, place mulch and seed or less preferable, stone along the slope to further stabilize. 10/27/05
	-The transition structure has been installed here. Erosion controls can be removed around the upgradient portion but should remain at the low points. 10/27/05	- Remove upgradient erosion controls when convenient. Equipment will return here for some cable work. 10/27/05
<b>Hoyts Hill Riser Transition Structure (Off Rt. 58)</b>		
<b>Route 58</b>	- Most catch basins near the work areas are being consistently placed with either haybales or fabric and are well protected. Sawcutting was occurring as part of the final road grade and crews were working to sweep up. 10/27/05  - Work just north of the Sunoco had put some stress on the silt fence here and it was down in several locations. 10/27/05  - The stream at Sara's Way is still running clear and doing well. 10/27/05  - Silt fence should be retained at the stream and at the Putnam Park storage area near the pond. 10/27/05	-In general, contain slurry or mobile sediment to work areas and street sweep the road extent including the gutters, regularly and maintain controls on all catch basins and inlets. 10/27/05  - Repair any holes and areas that were pushed over or restore the edge of roadway with seed/mulch and remove the fence. 10/27/05  - None at this time. Continue to monitor for complete restoration along the banks. 10/27/05
	-Stone was installed all along the slope to the ROW and appears to be stable at this time. 10/27/05	- None at this time 10/27/05
<b>Gallows Hill Road</b>		

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<b>Rt. 107 (Lonetown Rd)</b>	-Silt fence can be removed from areas along the roadway if they are stabilized with seed/mulch even with work returning for permanent grade. 10/19-10/27/05	-Monitor road work and make sure no soil is stockpiled. Restore the roadside if equipment causes disturbance during this phase. 10/19-10/27/05
	- Work materials were still noted near Lois Lane. The bank cut area here should be restored when work is complete. 10/5-10/27/05	- None at this time but restore when work is complete. 10/5-10/27/05
	- The silt fence is well installed along most of the ROW including near the substation where excavation was occurring. 10/12-10/27/05	-Continue to maintain silt fence if needed. 10/27/05
	- Bare areas are located along the roadway edges as a result of the work but work is still actively returning here. 10/12-10/27/05	- Restore areas as feasible and within time limits specified by the D&M plan and after the work here is completed. 10/27/05
<b>Broad Street and ROW, Norwalk</b>	- The jacking and receiving pits off Broad St. are beginning to be backfilled and remain contained. 10/19-10/27/05	- None at this time. 10/19-10/27/05
	-Nightwork on Rt. 7 continues. Continue to monitor issues with sediment from sawcutting muds. Some sediment appeared to remain in the gutters here. 10/19-10/27/05	- The vac truck approach is usually a very effective means of handling the muds. Continue to utilize consistently and remove any build up of escaped muds.
<b>Rt. 7, Norwalk</b>	-115kv work was complete at Norwalk Junction but absorbent booms were left behind at the site following clean up of the frac truck release and they should be cleaned up. 10/27/05	-Remove and dispose of the booms appropriately. 10/19-10/27/05
<b>Contaminated Soils</b>	- Contaminated soil is being stored and labeled separately from that considered "background polluted". Contaminated soils are eventually brought off site to an O&G facility in Bridgeport. Water from contaminated soils are sent to frac trucks and tanks. Occasionally, soils are being stored temporarily at Redding Yard until they are trucked to Bridgeport or the landfill.	- All soils appear to be handled appropriately. 10/27/05  - It has been determined that the Redding landfill will use all soils from the roadways in Redding that are considered clean, (based on acceptable RSR levels), as daily cover.

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	10/27/05	
Adjacent Wetlands and Waterways	-The stream near Sara's Way off Rt. 58 remains clear and banks are free from erosion. 10/27/05	- None at this time. Continue to monitor for final vegetative stabilization. 10/27/05
Staging, Storage, and Parking Areas	<p>-The controls at the concrete washout near the Merritt cloverleaf had degraded further with some concrete placed outside of the corral. The plastic liner still needs to be installed here. 10/27/05</p> <p>- In <b>Redding Town Yard</b>, soil excavate is only temporarily stored here until it can be trucked for disposal in the O&amp;G facility in Bridgeport or the Redding landfill.</p> <p>The additional controls installed at the Redding Yard continue to be effective in retaining the concrete washout water although some minor repairs could be done to the outlet controls. 10/27/05</p> <p>- At the storage area off Rt. 58 near the Putnam Park entrance, haybales were placed in addition to the silt fence near process stone stockpile. Most equipment here has been removed. 10/27/05</p> <p>- The silt fence at the yard at the intersection of Rt. 58 and Sunset Hill Rd. seem to be in good shape while the fence at the Redding CC/Rt. 107 storage area is down in some of the upgradient spots. 10/27/05</p>	<p>- The area is high use and apparently is difficult to clear out long enough to make repairs. (This washout area is also used for other O&amp;G projects). 10/27/05</p> <p>- The washout area is still in good shape. Continue to maintain the outlet controls as needed. 10/27/05</p> <p>-Retain the silt fence here due to the proximity of the pond. 10/27/05</p> <p>- Maintain fence as long as the areas are being used but it can be pulled if the storage areas are mulched/restored. 10/27/05</p>
State species of concern, threatened and endangered species	- No species of concern are located in the areas of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- Mulching of bare areas is ongoing and should continue and areas should be seeded as necessary. When the areas are	- The D&M plan requires that disturbed areas to be left for more than 21-30 days before work returns here should be

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	mulched and seeded, silt fence can be removed where work will not return. 9/7-10/27/05	temporarily stabilized with mulch or seed within 7-14 days.
Dewatering	<ul style="list-style-type: none"> <li>- Almost all dewatering discharge along the route is being directed to frac trucks or tanks due to concerns about the polluted soils. 7/21-10/27/05</li> <li>-Dewatering is usually only needed near duct proofing activities now that most trench work is complete. 10/27/05</li> </ul>	<ul style="list-style-type: none"> <li>- It appears that the storage and disposal solution will continue due to concerns about the background pollutants in soils, even in those not considered contaminated. 7/21-10/27/05</li> </ul>
Blasting	- No blasting is occurring in any areas at this time.	- None at this time.
Spills and Material Storage	<ul style="list-style-type: none"> <li>- A report of any leaks or spills that reach the ground and occur during the week should be provided to BSC from internal project inspectors 6/15-10/27/05</li> <li>- In general catch basins, inlets and swales should continue to consistently be protected especially in any area with sawcutting activities. Efforts have been good at this point. 10/27/05</li> <li>- Absorbent booms were left behind on the Norwalk Junction site and should be removed. 10/19-10/27/05</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis and keep spill kits on hand. Report spills immediately, even if they are being controlled.</li> <li>- The contractors should remain vigilant about securing and handling fuel and material containers.</li> <li>- Equipment and materials should not be stored in wooded areas unless it is designated for storage.</li> </ul>

**Next likely scheduled inspection:**

Wednesday, November 2, 2005

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden for Don Ukers

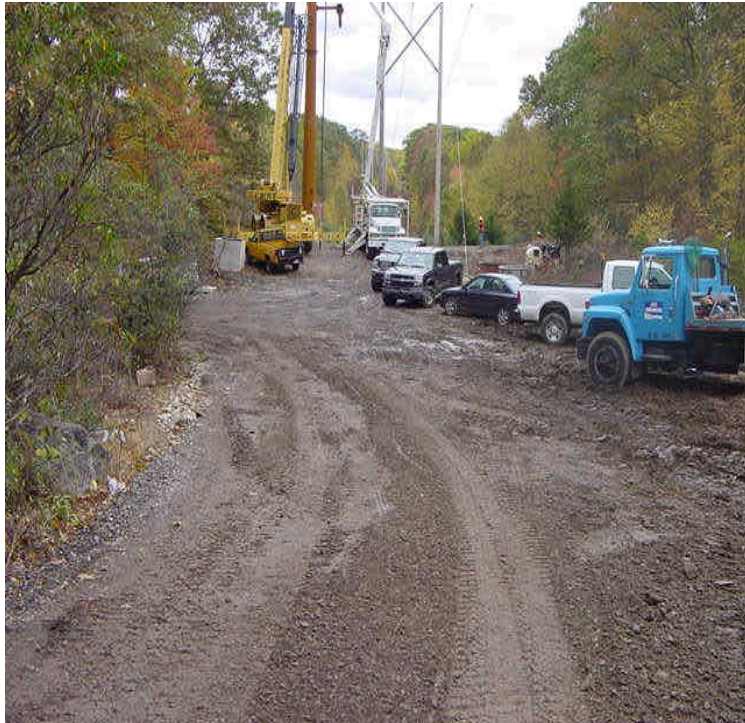


**115kV (Broad Street and ROW):** The photo on the left shows the ROW which was muddy following the rains but remains contained. Photo on the right shows the continuing operation at the railroad jack and bore. Trenching is continuing to Rt. 7. 10/27/05



**115kV (Route 7):** View of the Merritt cloverleaf concrete washout with controls in disrepair and with concrete outside of the corral area. This area looks worse than it has in recent weeks. 10/27/05





**115kV: Photo on the left shows cable pulling from Gallows Hill Road up to the transition structure on the ROW. Photo on the right shows good use of the concrete washout at the Redding Town Yard. 10/27/05**



**115kV (Rts 107 and 58). Photo on the left is of the Redding Country Club area with stonepiles and trenchboxes stored here. Photo on the right is of the Sunset Hill Rd. storage area. 10/27/05**





**115kV: (Rt. 58 ) Photo on the left shows haybales installed as an additional barrier at the pond's edge at the Putnam Park storage area. Photo on the right shows an overview of the same yard with few materials left here. 10/27/05**



**115kV: (Rt. 58/Sara's Way). Additional view of the stream at Sara's Way with clear water quality and good flow returned to the channel. 10/27/05**





**115kV (Rt. 58): View of roadway work ongoing along Rt. 58 near Sunset Hill Rd. (10/27/05)**



**115kV: Photo on the left shows the base of the transition structure installed at Hoyts Hill Rd. Silt fence can be removed from the upgradient side of the site. The photo on the right shows an erosive gully along the southern portion of the ROW where the washout is beginning to overwhelm the fence. 10/27/05**